

Liquid Crystalline Peptide Solutions and Gel Scaffolds

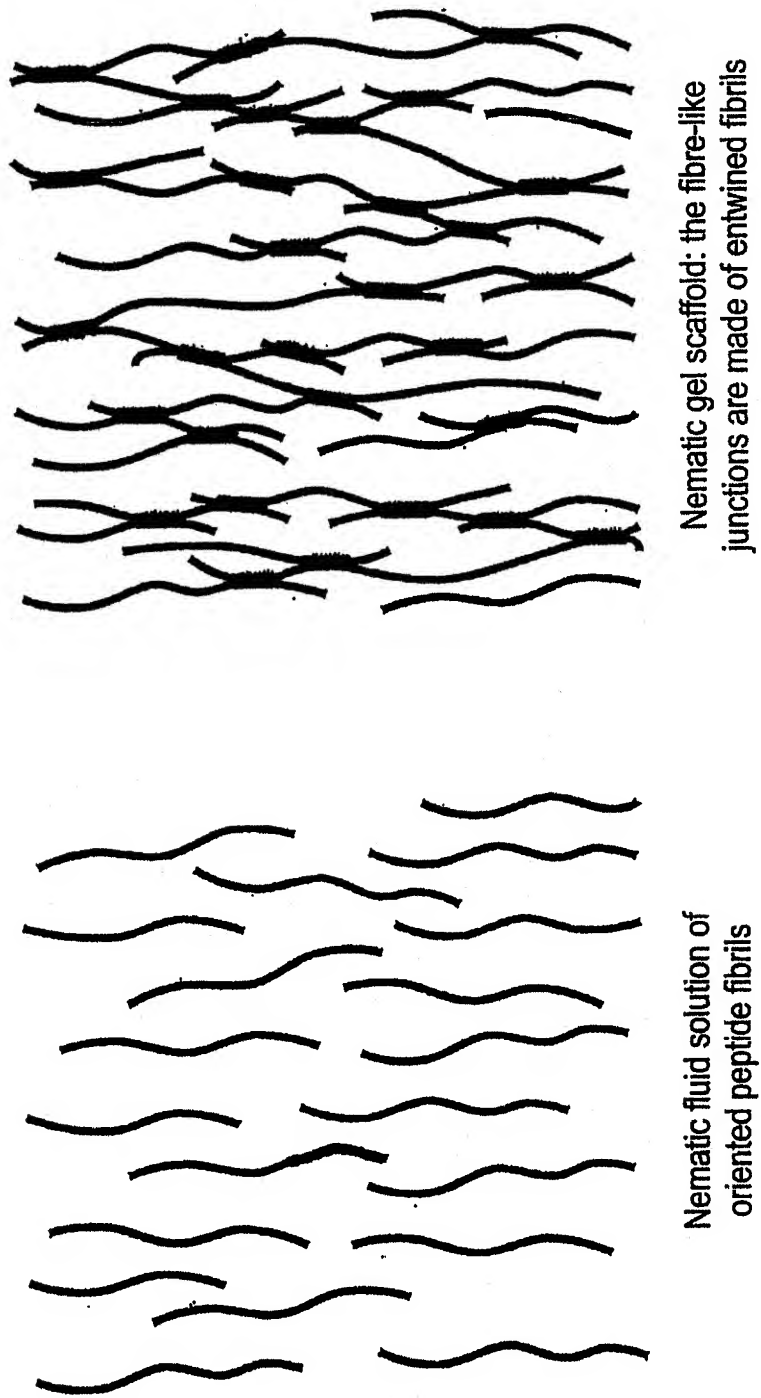


Fig. 4

COMPONENTS	Mole, Weight	Concentration (mg/L)	Molarity (mM)
INORGANIC SALTS:			
Calcium Nitrate-4H ₂ O	236	100.00	0.424
Potassium Chloride	75	400.00	5.30
Magnesium Sulphate-7H ₂ O	246	100.00	0.407
Sodium Chloride	58	6000.00	103.00
Sodium Bicarbonate	84	2000.00	23.800
Sodium Phosphate Dibasic-7H ₂ O	268	1512.00	5.63
OTHER COMPONENTS:			
Glucose	180	2000.00	11.10
Glutathione Reduced	307	1.00	0.0032
Phenol red	398	5.00	0.0125
AMINO ACIDS:			
L-Arginine	174	200.00	1.10
L-Asparagine	132	50.00	0.379
L-Aspartic Acid	133	20.00	0.150
L-Cystine 2HCl	313	65.00	0.208
L-Glutamic Acid	147	20.00	0.136
Glycine	75	10.00	0.133
L-Histidine	155	15.00	0.0967
L-Hydroxyproline	131	20.00	0.153
L-Isoleucine	131	50.00	0.382
L-Leucine	131	50.00	0.382
L-Lysine HCl	146	40.00	0.219
L-Methionine	149	15.00	0.101
L-Phenylalanine	165	15.00	0.0909
L-Proline	115	20.00	0.174
L-Serine	105	30.00	0.286
L-Threonine	119	20.00	0.186
L-Tryptophan	204	5.00	0.0245
L-Tyrosine 2Na	225	29.00	0.110
L-Valine	117	20.00	0.171
VITAMINS:			
Biotin	244	0.2	0.008
D-Ca Pantothenate	477	0.25	0.0005
Choline Chloride	140	3.00	0.0214
Folic Acid	441	1.00	0.0022
i-Inositol	180	35.00	0.194
Niacinamide	122	1.00	0.0081
p-Aminobenzoic Acid (PABA)	137	1.00	0.0072
Pyridoxine HCl	206	1.00	0.0048
Riboflavin	376	0.20	0.0005
Thiamine HCl	337	1.00	0.0029
Vitamin B12	1355	0.005	0.00000369

Fig. 5/Table 2